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SEP 15 2004

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Application :	RAYBURN	) Group Art Unit:	3744
		)	
Application No.:	10/694,331	) Examiner:	N/A
		)	
Filed:	October 27, 2003	) Atty. Docket No.	20714-0025
		)	

For: SYSTEM AND METHOD FOR USING HOT GAS RE-HEAT FOR HUMIDITY CONTROL

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT

SIR:

The following are included with this Information Disclosure Statement:

☒ **A. PTO/SB/08**

☐ **B. CERTIFICATION**
(37 C.F.R. 1.97(c)-before final Office Action or allowance)

☐ **C. $180.00 FEE PAYMENT**
(37 C.F.R. 1.97(c)-before final Office Action or allowance)

☐ **D. $180.00 PETITION, CERTIFICATION & PETITION FEE PAYMENT**
(37 C.F.R.1.97(d)-before issue fee payment)

The following are submitted in the above-identified application in compliance with 37 CFR 1.98:

☐ **I.** A copy of each listed U.S. Patent and U.S. Patent application publication [1.98(a)(2)(i)].

☐ **II.** A copy of each listed foreign patent and/or published foreign patent application. For each listed foreign patent and/or published foreign patent application [1.98(a)(2)]:

☐ a) the English language version or an English translation if not published in English, if available (see PTO-1449)[1.98(a)(3)]; and/or

☐ b) U.S. counterpart patents or English language equivalents of the foreign patents or published foreign patent applications (see PTO-1449); and/or

☐ c) a concise explanation of the relevance of the listed patents, publications or other information (see PTO-1449, foreign search report or other, attached), as it is presently understood by the person signing this disclosure, since no English translation is currently available[1.98(a)(3)].

☒ **III.** A copy of each listed publication, other than published foreign applications. For each listed publication [1.98(a)(2)]:

☒ (a) an English translation, if available, when the original publication is not in the English language (see PTO-1449)[1.98(a)(3)];

☐ (b) a concise explanation of the listed publications (see PTO-1449), as it is presently understood by the person signing this disclosure, since no English translation is currently available [1.98(a)(3)].

☐ **IV.** For any other listed information, a copy of the information or that portion which caused it to be listed (see PTO-1449)[1.98(a)(2)(iii)].

☐ **V.** Each listed U.S. Patent, Publication or other information that was previously cited by or submitted to the Office in a prior application, which application is relied upon for an earlier filing date under 35 U.S.C.§ 120 [1.98(d)].

☒ **VI.** Copies of each listed U.S. Patent and U.S. Patent application publication are not being submitted herewith pursuant to a waiver of 37 CFR 1.98(a)(2)(i) by the USPTO on July 11, 2003 for applications filed after June 30, 2003.

This information is submitted in the above-identified application in compliance with 37 C.F.R.1.97 because:

☒ **1.** This information disclosure is submitted within three months of the filing date of the application, or before the mailing date of the first office action on the merits of the application [1.97(b)].

☐ **2.** This information disclosure is submitted before the mailing date of a final action in this application under 1.113[1.97(c)] and the requisite statement or fee is provided (see items 6 or 7 below).

☐ **3.** This information disclosure is submitted before the mailing date of a notice of allowance under 1.311 [1.97(c)] and the requisite statement or fee is provided (see items 6 or 7 below).

☐ **4.** This information disclosure is submitted after the mailing date of a final action under 1.113 [1.97(d)] and the requisite statement and fee is provided (see items 6 and 8 below).

☐ **5.** This information disclosure is submitted after the mailing date of a notice of allowance under 1.311, but before the payment of the issue fee [1.97(d)] and the requisite statement and fee is provided (see items 6 and 8 below).

☐ **6.** This information disclosure statement is submitted with the statement required for items 2, 3, 4 or 5 above [1.97(c), (d), (e)]:

☐ **I, Brian T. Sattizahn, hereby state the following:**

☐ **Each item of information contained in this information disclosure statement was cited in a communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this statement.**

☐ **No item of information contained in this information disclosure statement was cited in a communication from a foreign patent office in a counterpart foreign application and, to the knowledge of the person signing this certification after making reasonable inquiry, no item of information contained in this information disclosure was known to any individual designated in 1.56(c) more than three months prior to the filing of this information disclosure statement.**

☐ **7.** This information disclosure statement is submitted with the fee of $180 set forth in 1.17(p) [see items 2 and 3 above]. Please charge this fee and any other fees associated with this application to Deposit Account No. 50-1059. (Please note, no fee is required for items 2 and 3 above if the Item 6 statement is provided).

☐ **8.** Please charge this fee and any other fees associated with this application to Deposit Account No. 50-1059.

Respectfully submitted,

Dated: September 13, 2004

McNees Wallace & Nurick LLC

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Substitute for form 1449A/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Sheet 1 of 4

Complete if Known	
Application Number	10/694,331
Filing Date	October 27, 2003
First Named Inventor	RAYBURN
Art Unit	3744
Examiner Name	N/A
Attorney Docket Number	20714-0025

U.S. PATENT DOCUMENTS

Examiner Initials *	Cite No.[1]	Document Number: Number - Kind Code[2] (*if known*)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
	A	US- 2,961,844	11/29/1960	McGRATH WILLIAM L.	
	B	US- 2002/0092318 A1	07/18/2002	TIPTON et al.	
	C	US- 2003/0029924 A1	02/13/2003	KLOSTER	
	D	US- 2004/0089002 A1	05/13/2004	RAYBURN	
	E	US- 3,105,366	10/01/1963	ATCHISON LEONARD W.	
	F	US- 3,139,735	07/07/1964	MALKOFF et al.	
	G	US- 3,203,196	08/31/1965	MALKOFF, Hyman	
	H	US- 3,316,730	05/02/1967	LAURER	
	I	US- 3,779,031	12/18/1973	AKLYAMA et al.	
	J	US- 3,786,859	01/22/1974	DAY	
	K	US- 4,173,125	11/06/1979	BRADSHAW	
	L	US- 4,173,924	11/13/1979	BRADSHAW	
	M	US- 4,182,133	01/08/1980	HAAS et al.	
	N	US- 4,189,929	02/26/1980	RUSSELL	
	O	US- 4,270,362	06/02/1981	LANCIA et al.	
	P	US- 4,271,678	06/09/1981	LIEBERT	
	Q	US- 4,271,898	06/09/1981	FREEMAN	
	R	US- 4,367,631	01/11/1983	JOHNSON et al.	
	S	US- 4,367,787	01/11/1983	BRADSHAW	
	T	US- 4,398,452	08/16/1983	BRADSHAW	

FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No.[1]	Foreign Patent Document: Country Code[3] - Number[4] - Kind Code[5] (*if known*)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T[6]
	TT	WO 02/50623 A1	06/27/2002	HONEYWELL INTERNATIONAL INC		
	UU	WO 03/054457 A1	07/03/2003	EDWARDS		
	VV	WO 93/10411	05/27/1993	EIERMANN		

Examiner Signature		Date Considered	

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. [1] Applicant's unique citation designation number (optional). [2] See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. [3] Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). [4] For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. [5] Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. [6] Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. **SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

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Sheet 2 of 4

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Attorney Docket Number	20714-0025

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	U	US- 4,432,147	02/21/1984	CHEN et al.	
	V	US- 4,442,049	04/10/1984	BLOOMER	
	W	US- 4,494,596	01/22/1985	BRADSHAW	
	X	US- 5,065,586	11/19/1991	SHAPIRO-BARUCH	
	Y	US- 5,265,433	11/30/1993	BECKWITH	
	Z	US- 5,345,776	09/13/1994	KOMAZAKI et al.	
	AA	US- 5,390,505	02/21/1995	SMITH et al.	
	BB	US- 5,400,607	03/28/1995	CAYCE	
	CC	US- 5,400,607	03/28/1995	CAYCE	
	DD	US- 5,450,893	09/19/1995	GALBA et al.	
	EE	US- 5,622,057			
	FF	US- 5,634,348	06/03/1997	IKEDA et al.	
	GG	US- 5,752,389	05/19/1998	HARPER, Thomas H.	
	HH	US- 5,752,389	05/19/1998	HARPER	
	II	US- 5,992,160			
	JJ	US- 6,055,818	05/02/2000	VALLE et al.	
	KK	US- 6,059,016	05/09/2000	RAFALOVICH et al.	
	LL	US- 6,123,147	09/26/2000	PITTMAN	
	MM	US- 6,131,653	10/17/2000	LARSSON	
	NN	US- 6,355,091	03/12/2002	FELBER et al.	

FOREIGN PATENT DOCUMENTS

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Examiner Signature		Date Considered	

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	OO	US- 6,381,970	05/07/2002	EBER et al.	
	PP	US- 6,427,454 B1	08/06/2002	WEST	
	QQ	US- 6,427,461 B1	08/06/2002	WHINERY et al.	
	RR	US- 6,612,119	09/02/2003	EBER et al.	
	SS	US- 6,644,049	11/11/2003	ALFORD	
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Sheet 4 of 4

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Application Number	10/694,331
Filing Date	October 27, 2003
First Named Inventor	RAYBURN
Art Unit	3744
Examiner Name	N/A
Attorney Docket Number	20714-0025

NON PATENT LITERATURE DOCUMENTS

Examiner Initials *	Cite No.[1]	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T[2]
	1	Department of the Air Force Letter Tyndall Air Force Base 13 July 1993	
	2	Rapid Engineering Publication ICS II Sequence of Operation 04 November 1996	
	3	Desert Aire Publication, Milwaukee, Wisconsin Dehumidifer November 1998	
	4	Desert Aire Publication, Milwaukee, Wisconsin Technical Bulletin June 1998	
	5	Modern Refrigeration and Air Conditioning p. 689 1982	
	6	Task/Ambient Conditioning Systems: Engineering and Application Guidelines University of California October 1996	

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